Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

>-	Under the Paperwork Reduction Act of 1995, no persons are required to Substitute for form 1449/PTO		mplete if Known
	05554440 101 101111 144031 10	Application Number	
	INFORMATION DISCLOSURE	Filing Date	
INFORMATION DISCLOSURE		First Named Inventor	Paul S. Henry
	STATEMENT BY APPLICANT	Art Unit	
	(Use as many sheets as necessary)	Examiner Name	
て	Sheet 1 of 5	Attorney Docket Number	2004-0028A

·			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (I known)</sup>			Figures Appear
		<sup>US-</sup> 2004/0032320	12/19/2004	Zalitzky, et al.	
		<sup>US-</sup> 2003/0222747	12/04/2003	Perkinson, et al.	
		US- 2003/0224784	12/04/2003	Hunt, et al.	
		<sup>US-</sup> 2003/0222748	12/04/2003	Cern, et al.	
		<sup>US-</sup> 2003/0210135	11/13/2003	Cern	
		<sup>US-</sup> 6,646,447	11/11/2003	Cern, et al.	
		<sup>US-</sup> 2003/0201759	10/30/2003	Cern	
		<sup>US-</sup> 2003/0201873	10/30/2003	Cern	
		<sup>US-</sup> 2003/0190110	10/09/2003	Kline	
		<sup>US-</sup> 2003/0160684	08/28/2003	Cern	
		<sup>US-</sup> 6,590,493	07/08/2003	Rasimas, et al.	
		<sup>US-</sup> 6,549,120	04/15/2003	de Buda	
		<sup>US-</sup> 6,522,626	02/18/2003	Greenwood	
		<sup>US-</sup> 6,515,485	02/04/2003	Bullock, et al.	
		US- 6,507,573	01/14/2003	Brandt, et al.	
		<sup>US-</sup> 2003/0007576	01/09/2003	Alavi, et al.	
		<sup>US-</sup> 6,496,104	12/17/2002	Kline	
		<sup>US-</sup> 6,492,897	12/10/2002	Mowery, Jr.	
		<sup>US-</sup> 2002/0154000	10/24/2002	Kline	

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages					
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁰				
						<u></u>				

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Traisation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number

Filing Date
First Named Inventor

Art Unit

(Use as many sheets as necessary)

Sheet 2 of 5 Attorney Docket Number 2004-0028A

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
Trinadio	1.0.	Number-Kind Code <sup>2 (F known)</sup>		, 4,	Figures Appear
		<sup>US-</sup> 6,452,482	09/17/2002	Cern	
		<sup>US-</sup> 6,449,318	09/10/2002	Rumbaugh	
		US- 2002/0121963	09/05/2002	Kline	
		<sup>US-</sup> 2002/0118101	08/29/2002	Kline	
		<sup>US-</sup> 2002/0110311	08/15/2002	Kline	
		<sup>US-</sup> 2002/0110310	08/15/2002	Kline	_
		<sup>US-</sup> 2002/0109585	08/15/2002	Sanderson	
		US- 2002/0105413	08/08/2002	Cern, et al.	
		<sup>US-</sup> 2002/0098867	07/25/2002	Meiksin, et al.	
		<sup>US-</sup> 2002/0098868	07/25/2002	Meiksin, et al.	
		<sup>US-</sup> 2002/0097953	07/25/2002	Kline	
		<sup>US-</sup> 2002/0095662	07/18/2002	Ashlock, et al.	
		<sup>US-</sup> 6,404,773	06/11/2002	Williams, et al.	
		<sup>US-</sup> 6,417,762	07/09/2002	Comer	
		us- 2002/0075797	06/20/2002	Kilani	
		<sup>US-</sup> 6,396,393	05/28/2002	Yuasa	
		<sup>US-</sup> 6,396,392	05/28/2002	Abraham	
		<sup>US-</sup> 2002/0049368	04/25/2002	Ritland	
		<sup>US-</sup> 2002/0027496	03/07/2002	Cern, et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	.,	Or Relevant Figures Appear	T <sup>6</sup>			
				,					
				. <u>-</u>					
			<u> </u>						

Examiner	Date	
Signature	Considered	

\*EXAMINE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Complete if Known

Application Number

Filing Date
First Named Inventor
First Named Inventor
Art Unit

Examiner Name

Sheet | 3 of | 5 Attorney Docket Number | 2004-0028A

-			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 2002/0024423	02/28/2002	Kline	
	<u> </u>	<sup>US-</sup> 2002/0010870	01/24/2002	Gardner	
		US- 2002/0002040	01/03/2002	Kline, et al.	
		<sup>US-</sup> 2001/0054953	12/27/2001	Kline	
		<sup>US-</sup> 2001/0052843	12/20/2001	Wiesman, et al.	
		<sup>US-</sup> 6,331,814	12/18/2001	Albano, et al.	
		<sup>US-</sup> 6,317,031	11/13/2001	Rickard	
		<sup>US-</sup> 2001/0045888	11/29/2001	Kline	
		<sup>US-</sup> 6,297,730	10/02/2001	Dickinson	
		<sup>US-</sup> 6,297,729	10/02/2001	Abali, et al.	
	[	<sup>US-</sup> 6,282,405	08/28/2001	Brown	
		<sup>US-</sup> 6,172,597	01/09/2001	Brown	
		<sup>US-</sup> 6,157,292	12/05/2000	Piercy, et al.	
		<sup>US-</sup> 6,144,292	11/07/2000	Brown	
		us- 6,137,412	10/24/2000	Herzer	
		<sup>US-</sup> 6,141,634	10/31/2000	Flint, et al.	
		<sup>US-</sup> 6,040,759	03/21/2000	Sanderson	
		<sup>US-</sup> 5,982,276	11/09/1999	Stewart	
		<sup>US-</sup> 5,952,914	09/14/1999	Wynn	

		FOREIG	N PATENT DOCU	MENTS			
Examiner Initials*	Cite No. <sup>1</sup>		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵	
	L						

Examiner	Date	
Signature	Considered	
	1	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 If possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number Filing Date INFORMATION DISCLOSURE First Named Inventor Paul S. Henry STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** 2004-0028A Attorney Docket Number Sheet 4 of 5

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 5,949,327	09/07/1999	Brown	
		<sup>US-</sup> 5,933,071	08/03/1999	Brown	
		<sup>US-</sup> 5,929,750	07/27/1999	Brown	
		<sup>US-</sup> 5,864,284	01/26/1999	Sanderson	
		<sup>US-</sup> 5,847,447	12/08/1998	Rozin, et al.	
		<sup>US-</sup> 5,684,450	11/04/1997	Brown	
		US-			
		Ü\$-		, i	
		US-			
·		US-			
		US-			
		US-			

		FOREIGN	PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	_
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
	<u> </u>					

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known			
, Substitute for form 1443/F 10				Application Number	
INFORMATION DISCLOSURE				Filing Date	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Paul S. Henry
				Art Unit	
(Use as many sheets as necessary)			iecessary)	Examiner Name	
Sheet	5	of	5	Attorney Docket Number	2004-0028A

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	ner   Cite   Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title o		T²
		Broadband Powerline Communications Systems A Background Brief, September 2003, Australian Communications Authority, Australia, Document SP 11/03	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>\*\*</sup>EXAMINER: Initial in reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.